

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

MAR 29 2004

Electronic Version v18
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Title of
Invention

Loop Systems And Methods Of Using The Same For
 Conveying And Distributing Thermal Energy Into A Wellbore

Application Number: 10/680901
 Confirmation Number: 6365
 First Named Applicant: David Steele
 Attorney Docket Number: 1391-45200
 Art Unit: 3672



Search string: (6607036 or 6588500 or 6257334 or 6053992
 or 5957202 or 5860475 or 5199497 or 5085275
 or 4641710 or 6433991 or 5613634 or 4619320
 or 20030155111 or 20030155113).pn.



US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

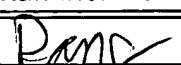
| init | Cite.No. | Patent No. | Date | Patentee | Kind | Class | Subclass |
|------|----------|------------|------------|-----------------|------|-------|----------|
| 1 | 1 | 6607036 | 2003-08-19 | Ranson et al. | | 166 | 302 |
| 2 | 2 | 6588500 | 2003-07-08 | Lewis | | 166 | 61 |
| 3 | 3 | 6257334 | 2001-07-10 | Cyr et al. | | 166 | 272.7 |
| 4 | 4 | 6053992 | 2000-04-25 | Wu et al. | | 148 | 402 |
| 5 | 5 | 5957202 | 1999-09-28 | Huang | | 166 | 272.3 |
| 6 | 6 | 5860475 | 1999-01-19 | Ejiogu et al. | | 166 | 245 |
| 7 | 7 | 5199497 | 1993-04-06 | Ross | | 166 | 381 |
| 8 | 8 | 5085275 | 1992-02-04 | Gondouin | | 166 | 303 |
| 9 | 9 | 4641710 | 1987-02-10 | Klinger | | 166 | 303 |
| 10 | 10 | 6433991 | 2002-08-13 | Deaton et al. | | 361 | 191 |
| 11 | 11 | 5613634 | 1997-03-25 | Veronesi et al. | | 236 | 101 |
| 12 | 12 | 4619320 | 1986-10-28 | Adnyana et al. | | 166 | 65.1 |

US Published Applications

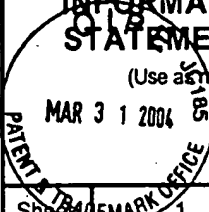
Note: Applicant is not required to submit a paper copy of cited US Published Applications

| init | Cite.No. | Pub. No. | Date | Applicant | Kind | Class | Subclass |
|---|----------|-------------|------------|-----------------|------|-------|----------|
|  | 1 | 20030155111 | 2003-08-21 | Vinegar et al. | | 166 | 59 |
|  | 2 | 20030155113 | 2003-08-21 | Mitchell et al. | | 166 | 68.5 |

Signature

| Examiner Name | Date |
|---|-----------|
|  | 8/16/2005 |

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| Substitute for form 1449/PTO | | Complete if Known | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)  | | Application Number | 10/680,901 |
| | | Filing Date | October 6, 2003 |
| | | First Named Inventor | David Joe Steele |
| | | Art Unit | 3672 |
| | | Examiner Name | Not Assigned <i>H. Dong</i> |
| Sheet 1 of 3 | Attorney Docket Number | 2003-IP-012001 (1391-45200) | |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|-----------------------|---|--------------------------------|--|---|
| Examiner's Initials | Cite No. ¹ | Document Number Number-Kind Code ² (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | US | | | |
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| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|-----------------------|---|------------------------------|--|---|----------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document County Code ³ -Number ⁴ -Kind Code ⁵ (if known) | Publication Date MM-DD-YY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
| <i>eh</i> | AA | GB 2 385 078 | 08/13/2003 | Baker Hughes | | |
| <i>eh</i> | AB | GB 2 371 578A | 07/31/2002 | Baker Hughes | | |
| <i>eh</i> | AC | EP 0 841 510 B1 | 01/09/2002 | Matsushita | | |
| <i>eh</i> | AD | EP 0 841 510 A1 | 05/13/1998 | Matsushita | | |
| <i>eh</i> | AE | EP 0 697 315 A3 | 04/15/1998 | Daewoo | | |
| <i>eh</i> | AF | EP 0 697 315 A2 | 02/21/1996 | Daewoo | | |

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|--------------------|-------------|-----------------|-----------|
| Examiner Signature | <i>Dong</i> | Date Considered | 8/16/2005 |
|--------------------|-------------|-----------------|-----------|

* Examiner. Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds of Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.


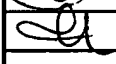


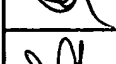
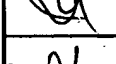

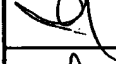

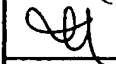


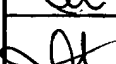
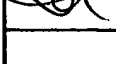
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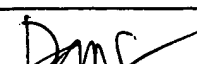
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| Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) | | Complete if Known | | | |
| | | Application Number | 10/680,901 | | |
| | | Filing Date | October 6, 2003 | | |
| | | First Named Inventor | David Joe Steele | | |
| | | Art Unit | 3672 | | |
| | | Examiner Name | N/A | | |
| Sheet | 2 | of | 3 | Attorney Docket Number | 2003-IP-012001 (1391-45200) |

NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue numbers(s), publisher, city and/or country where published. | T ² |
|---|-----------------------|--|----------------|
|  | AA | ANDERSEN, A., et al, "Feasibility Study of Shape Memory Alloys in Oil Well Applications," <i>Sintef Petroleum Research</i> , 01/97, pp. 1-5, 58, 60, 63, 66-67, 83, 85-86. | |
|  | AB | "Design of Fluid Systems, Steam Utilization," <i>Spirax Sarco</i> , 1951, pp. 1-8, 21-27, 68-71. | |
|  | AC | DOAN, L.T., et al, "Performance of the SAGD Process in the Presence of Water Sand- A Preliminary Investigation," <i>Journal of Canadian Petroleum Technology</i> , January 2003, Vol. 42, No.1, pp. 25-41. | |
|  | AD | ERLANDSEN, SIGURD, et al, "World's First Multiple Fiber Optic Intelligent Well," <i>World Oil</i> , March 2003, Vol. 224, No. 3, 8 pages. | |
|  | AE | Figure 9, Typical Steam Circuit, "Design of Fluid Systems: Steam Utilization," <i>Spirax Sarco</i> , Copyright 1985, p. 11. | |
|  | AF | NASR, T.N., et al, "Novel Expanding Solvent-SAGD Process ES-SAGD," <i>Journal of Canadian Petroleum Technology</i> , Technical Note, 4 pages. | |
|  | AG | NASR, T.N., et al, "SAGD Application In Gas Cap and Top Water Oil Reservoir," <i>Journal of Canadian Petroleum Technology</i> , January 6, 2003, pp.32-38. | |
|  | AH | POTMA, J., et al, "Thermal Horizontal Completions Boost Heavy Oil Production," <i>World Oil</i> , February 2003, pp. 83-85. | |
|  | AI | Total Canada- Request for Proposal- SAGD Steam Diversion Systems, Methods, and Cost Estimate, 3 pages. | |
|  | AJ | WALLS, E., et al, "Residual Oil Saturation Inside the Steam Chamber During SAGD," <i>Journal of Canadian Petroleum Technology</i> , January 2003, Vol. 42, No. 1, pp. 39-47. | |
|  | AK | http://www.conocophillips.com/canada/news/032502_gas_bitumen.asp , 10/1/2003, 2 pages. | |
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|  | AM | Fluid Injection into Tight Rocks, http://www.132.175.127.176/ngotp/projects/ngotp.cfm?Project ID=OGRT-010 , 8/11/2003. | |
|  | AN | P.C. McKenzie Company, "How does an Amot Thermostic Control Valve Work?" http://www.mckenziecorp.com/amot_valve.htm , 9/4/2003. | |

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| Examiner Signature |  | Date Considered | 8/16/2005 |
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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

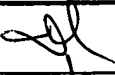




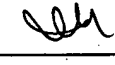
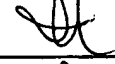

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| Sheet | 3 | of | 3 | Attorney Docket Number | 2003-IP-012001 (1391-45200) |

NON PATENT LITERATURE DOCUMENTS

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|  | AO | GIULIANI, C., et al; "Flow Rate Allocation in Smart Wells"; High-Tech Wells Conference, February 11-13, 2003; Galveston | |
|  | AP | 1995 Press Release; "Halliburton Introduces Durasleeve For Easier Shifting, Better Seal and Lower Total Costs"; http://www.halliburton.com/news/archive/1995/hesnws_100995.jsp ; 1 page | |
|  | AQ | Flow Control – Systems and Products – Sliding Sleeves; Baker Hughes; http://www.bakerhughes.com/bot/completions/flow_control/products_sliding.htm ; 1 page | |
|  | AR | Well Dynamics – Transforming Reservoirs Using SmartWell Technology, http://www.welldynamics.com/main.htm ; 8 pages | |
|  | AS | Steam Assisted Gravity Drainage (SAGD); Alberta Energy Research Institute; http://www.aeri.ab.ca/sec/suc_sto/suc_sto_001_2.cfm ; 2 pages | |
|  | AT | In Situ Technology, http://www.energy.gov.ab.ca/com/Sands/Royalty+Info/Royalty+Related+Info/The+Ne , 1 page | |
|  | AU | North American Oil Reserves 2001; Alberta Energy Research Institute, http://www.energy.gov.ab.ca/cmn/docs/Oil_Reserves_2001.pdf ; 2 pages | |
|  | AV | BlackRock Seeks Approval to Develop Orion SAGD Project, http://www1.newswire.ca/releases/August2001/02/c6924.html . | |
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